



PATENT

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Jeffrey D. Myers, Reg. No. 35,964

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/644,386  
Applicant(s) : Williams F. Hartman, et al.  
Filed : August 19, 2003  
Title : DIELECTRIC MATERIAL INCLUDING PARTICULATE FILLER  
TC/A.U. : 1733  
Examiner : UNKNOWN  
Docket No. : 30108-1016 CIP

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## INFORMATION DISCLOSURE STATEMENT

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449's submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior references" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed prior to the mailing date of a first Office action. Therefore, no fee or certification is required. 37 C.F.R. § 1.97(b).



Respectfully submitted,

Jeffrey D. Myers Reg. No. 35,964  
Direct line: (505) 998-1502

Enclosures: PTO Form(s) 1449;  
Copy of Reference(s)

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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## COMPLETE IF KNOWN

Application Number	10/644,386
Filing Date	August 19, 2003
First Named Inventor	William F. Hartman
Group Art Unit	1733
Examiner Name	UNKNOWN
Attorney Docket Number	30108-1016 CIP

Sheet

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of

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## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Kind Code <sup>2</sup> Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		2,803,553	H.I. Oshry	08/20/1957	
		3,290,756	R.W. Dreyer	12/28/1976	
		RE. 35,064	J.M. Hernandez	10/17/1995	
		3,304,475	H.E.T. Gowen, et al.	02/14/1967	
		3,593,107	G.E.C. Haworth, et al.	07/13/1971	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		JP 07030257	Fujitsu Ltd.	01/31/1995		
		EP 0 641 740 A1	Chon International Co., Ltd.	03/08/1995		
		PCT WO 98/21272	Richard A. Holl	05/22/1998		
		PCT WO 98/35920	Cabot Corporation	08/20/1998		
		EP 0 902 048 A1	E.I. Du Pont de Nemours and Company	03/17/1999		

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		3,673,092	R.L. Dietz	06/27/1972	
		4,000,054	G. Marcantonio	12/28/1976	
		4,087,300	E. Adler	05/02/1978	
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		4,859,448	M.K. Klee, et al.	08/22/1989	
		4,863,883	J. Menashi, et al.	09/05/1989	
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		4,882,455	Y. Sato, et al.	11/21/1989	
		4,908,258	J.M. Hernandez	03/13/1990	
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		4,942,079	M. Kumagai, et al.	07/17/1990	
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		5,172,304	J. Ozawa, et al.	12/15/1992	
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				Group Art Unit	1733	
				Examiner Name	UNKNOWN	
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		5,232,758	F.J. Juskey, et al.	08/03/1993	
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		5,256,470	j. Jean, et al.	10/26/1993	
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				Group Art Unit	1733	
				Examiner Name	UNKNOWN	
Sheet	5	of	6	Attorney Docket Number		30108-1016 CIP

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		5,818,090	M. Kumura	10/06/1998	
		5,870,274	G.L. Lucas	02/09/1999	
		5,923,077	J.R. Chase, et al.	07/13/1999	
		5,926,377	T. Nakao, et al.	07/20/1999	
		5,972,231	J.T. DiBene, II	10/26/1999	
		5,973,929	T. Arakawa, et al.	10/26/1999	
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		6,021,050	M.F. Ehman, et al.	02/01/2000	
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		6,608,760	W.F. Hartman, et al.	08/19/2003	
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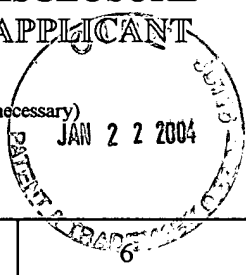


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				Filing Date	August 19, 2003
				First Named Inventor	William F. Hartman
				Group Art Unit	1733
				Examiner Name	UNKNOWN
Sheet	6	of	6	Attorney Docket Number	30108-1016-CIP

<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		BEGG, B.D., et al., "Effect of particle size on the room-temperature crystal structure of barium". <i>Journal of the American Ceramic Society</i> , 1994, pp. 3186-3192, Vol. 77, Issue 12	
		CHO, W., et al., "Synthesis of ultrafine BaTiO <sub>3</sub> particles from polymeric precursor: their structure and surface property", <i>Journal of Allows and Compounds</i> , 1998, pp. 118-122, Vol. 266, Elsevier Science, S.A.	
		XU, H., et al., "Tetragonal Nanocrystalline Barium Titanate Powder: Preparation, Characterization, and Dielectric Particles", <i>Journal of the American Ceramic Society</i> , January, 2003, Vol. 86, No. 1	
		UCHINO, K, et al., "Dependence of the crystal structure on particle size in barium titanate", <i>Journal of the American Ceramic Society</i> , 1989, pp. 1555-1558, Vol. 72, Issue 8	
		UCHINO, K., "Particle/Grain Size Dependence of Ferroelectricity", <i>Ceramic Dielectrics</i> , 1989, pp. 107-115	

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